

PATENT ABSTRACTS OF JAPAN

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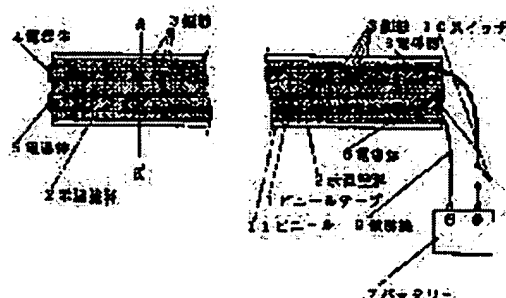
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(54) LINE TAPE

(57)Abstract:

PURPOSE: To make it possible to distinctly discriminate only the necessary line by energizing a circuit by heat generating conductive wires formed in a tape to raise the temp. of this tape and to change the color of the temp. indicating coating material of the tape, then stopping the energization to restore the original color.

CONSTITUTION: The temp. indicating coating material 2 which discolours from a reddish yellow to reddish orange is applied at a prescribed width on the one surface of the vinyl tape. The coated surface is provided with four pieces of the copper wires 3 at prescribed intervals parallel with the longitudinal direction of the tape 1. The ends of the copper wires 3 on the outer side of the one side and the ends of the nearer copper wires 3 on the inner side are respectively connected by the conductors 4, 5. On the other hand, the ends of two pieces of the copper wires 3 on the inner side at the ends on the opposite side are connected by the conductor 6 and the ends of the copper wires 3 on the outer side are connected to the positive pole and negative pole of a battery 7 by the conductive wires 8, 9. A switch 10 disposed at the conductive wire 8 is turned on to raise the temp. of the copper wire 3, by which the temp. indicating coating material 2 is changed from the reddish yellow to the reddish orange. The temp. falls and the original color is restored when the tape is not used. The line is thus distinctly indicated.



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